Client's ref.: 91275 File: 0548-9968usf /Felicia

5

ABSTRACT OF THE DISCLOSURE

A double corner rounding process for a partial vertical cell. A first corner rounding process is performed after etching the substrate to form a shallow trench for device isolation. A second corner rounding process is performed after forming shallow trench isolations (STIs) and exposing the corner of the substrate at the active areas in the memory cell array region.